CONTROLLER AND METHOD FOR CONTROLLINGREGENERATION OF A WATER SOFTENER

Abstract of Disclosure

Regeneration controller and method for controlling regeneration of a water softener are provided. The controller includes a water meter configured to output a signal indicative of the volume of influent water received by the water softener. A water-hardness indicator, such as a conductivity meter or ion-selective electrode, is configured to output a signal indicative of a degree of hardness of the influent water. A processor is coupled to receive the respective signals from the water meter and the hardness indicator. The processor is further configured to calculate a value indicative of the total level of hardness removed by the water softener. A comparator is coupled to receive a signal indicative of the quantity of resin capacity of the water softener. The comparator is further configured to receive the value indicative of total hardness to issue a regeneration command based on comparing the resin capacity relative to the value of total hardness.

Figures